



FCC CERTIFICATION REPORT

Test Report No. : MW/2019/B0002
Applicant : Compal Electronics, Inc
Address : No.581 & 581-1, Ruiguang Rd., Neihu District, Taipei, (114)
Taiwan
Manufacturer : Compal Electronics, Inc
Address : No.581 & 581-1, Ruiguang Rd., Neihu District, Taipei, (114)
Taiwan

Equipment Under Test (EUT) :

Product Name : 5G M.2 Module
Brand Name : Compal
Model No. : RXM-G1
Added Model(s) : N/A

Standards : FCC Part 15, Subpart B, Class B

Date of Sample Receipt : Nov. 04, 2019

Date of Test : Dec. 25, 2019

Date of Issue : Jan. 07, 2020

Test Result :	PASS
---------------	------

In the configuration tested, the EUT complied with the standards specified above.

Remarks :

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS Taiwan Electronics & Communication Laboratory or testing done by SGS Taiwan Electronics & Communication Laboratory in connection with distribution or use of the product described in this report must be approved by SGS Taiwan Electronics & Communication Laboratory in writing.

Tested By:**Date**

Jan. 07, 2020

Frank Chen (Engineer)**Approved By****Date**

Jan. 07, 2020

Wisely Huang (Asst. Supervisor)

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



Revision History

Revision	Description	Issue Date	Remark
00	Original.	Jan. 07, 2020	MW/2019/B0002

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



Contents

1. GENERAL INFORMATION	4
1.1 APPLICANT & MANUFACTURER INFORMATION	4
1.2 GENERAL DESCRIPTION OF EUT	4
1.3 DETAILS OF EUT	5
1.4 OPERATION PROCEDURE	6
1.5 DESCRIPTION OF SUPPORT UNITS	8
1.6 MODIFICATION LIST	8
1.7 ACCESSORIES CABLE LIST	8
1.8 TEST SET-UP CONFIGURATION	8
1.9 MEASUREMENT PROCEDURE	9
1.10 STANDARDS APPLICABLE FOR TESTING	9
1.11 DECISION RULES OF RESULTS	10
1.12 SUMMARY OF RESULTS	10
1.13 REPORTING STATEMENTS OF CONFORMITY	10
2. EMISSION	11
2.1 TEST RESULTS	11
2.2 FREQUENCY RANGE	11
2.3 LIMITS OF CONDUCTED AND RADIATED EMISSION	12
2.3.1 LIMITS OF CONDUCTED EMISSION	12
2.3.2 LIMITS OF RADIATED EMISSIONS	13
2.4. TEST OF CONDUCTED EMISSION	14
2.4.1 TEST EQUIPMENTS	14
2.4.2 OPERATING ENVIRONMENT	14
2.4.3 MEASUREMENT LEVEL CALCULATION	14
2.4.4 MEASUREMENT DATA:	14
2.5 TEST OF RADIATED EMISSION	15
2.5.1 TEST EQUIPMENTS	15
2.5.2 OPERATING ENVIRONMENT	16
2.5.3 MEASUREMENT LEVEL CALCULATION	16
2.5.4 MEASUREMENT DATA	17
3. PHOTOGRAPHS OF TEST	27
4. PHOTOGRAPHS OF PRODUCT	29

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



1. General Information

1.1 Applicant & Manufacturer Information

Applicant : Compal Electronics, Inc
Address of Applicant : No.581 & 581-1, Ruiguang Rd., Neihu District, Taipei,
(114) Taiwan
Manufacturer : Compal Electronics, Inc
Address of Manufacturer : No.581 & 581-1, Ruiguang Rd., Neihu District, Taipei,
(114) Taiwan

1.2 General Description of EUT

Product Name : 5G M.2 Module
Brand Name : Compal
Model No. : RXM-G1
Added Model(s) : N/A
Model Difference : N/A

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



1.3 Details of EUT

Power Supply : DC 3.3V (From DC Power Supply.)

Modes/Function : Mode 1. WCDMA Band5 + GPS
 Mode 2. LTE Band12 + GPS
 Mode 3. 5GNR Band71 + GPS
 Mode 4. WCDMA Band5 + GPS + RX Receive
 Mode 5. LTE Band12 + GPS + RX Receive
 Mode 6. 5GNR Band71 + GPS + RX Receive

Note: The EUT WCDMA, LTE, 5GNR band list as below and according to technical judgement, above band and mode was selected to perform test.

WCDMA: Band 2 / Band 4 / Band 5

LTE : FDD Band 2 / FDD Band 4 / FDD Band 5 / FDD Band 7 / FDD Band 12 / FDD Band 13 / FDD Band 14 / FDD Band 25 / FDD Band 26 / FDD Band 29 / FDD Band 30/ FDD Band 41 / FDD Band 46 / FDD Band 48/ FDD Band 66 / FDD Band 71

5GNR : FDD n Band 2 / FDD n Band 5 / FDD n Band 41 / FDD n Band 66 / FDD n Band 71

Worst case

CE_Worst_case	N/A (The EUT power from DC battery not apply for conducted emission test.)
Below_RE_Worst_case	Mode 3 5GNR Band71 + GPS Mode 4 WCDMA Band5 + GPS + RX Receive Mode 5 LTE Band12 + GPS + RX Receive Mode 6 5GNR Band71 + GPS + RX Receive"
Above_RE_Worst_case	Mode 3 5GNR Band71 + GPS

Highest internal frequency : 2.6 GHz

Adapter : N/A

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



1.4 Operation Procedure

Mode 1

1. The sample install the SIM card and place it on the test table, and connect the DC power supply.
2. Set up a 3G base station.
3. Confirm that the sample is connected to the 3G base station.
4. Set up a GPS simulator.
5. Make sure the sample is connected to the GPS simulator.
6. Test.

Mode 2

1. The sample install the SIM card and place it on the test table, and connect the DC power supply.
2. Set up a 4G base station.
3. Confirm that the sample is connected to the 4G base station.
4. Set up a GPS simulator.
5. Make sure the sample is connected to the GPS simulator.
6. Test.

Mode 3

1. The sample install the SIM card and place it on the test table, and connect the DC power supply.
2. Set up a 5G base station.
3. Confirm that the sample is connected to the 5G base station.
4. Set up a GPS simulator.
5. Make sure the sample is connected to the GPS simulator.
6. Test.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



Mode 4

1. The sample install the SIM card and place it on the test table, and connect the DC power supply.
2. Set up a 3G base station.
3. Confirm that the sample is connected to the 3G base station.
4. Set up a GPS simulator.
5. Make sure the sample is connected to the GPS simulator.
6. Test.

Mode 5

1. The sample install the SIM card and place it on the test table, and connect the DC power supply.
2. Set up a 4G base station.
3. Confirm that the sample is connected to the 4G base station.
4. Set up a GPS simulator.
5. Make sure the sample is connected to the GPS simulator.
6. Test.

Mode 6

1. The sample install the SIM card and place it on the test table, and connect the DC power supply.
2. Set up a 5G base station.
3. Confirm that the sample is connected to the 5G base station.
4. Set up a GPS simulator.
5. Make sure the sample is connected to the GPS simulator.
6. Test.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



1.5 Description of Support Units

PRODUCT	MANUFACTURER	MODEL NO.	SERIAL NO.
GPS Signal Generator	ADIVIC	PAR38	MP9100090021
5G KEYSIGHT	KEYSIGHT	UXM5G Base	E7515E
Communication Tester	Anritsu	MT8820C	620146315
DC Power Supply	Chroma	41901	7771888
SIM Card	Anritsu/Keysight	N/A	N/A
Fixture board (by customer)	N/A	N/A	N/A

Support Equipment Used in Tested Cable

Cable Type	Core	Length	Shielding/Non-shielding
DC Power Cable	N/A	1.0 M	Non-shielding

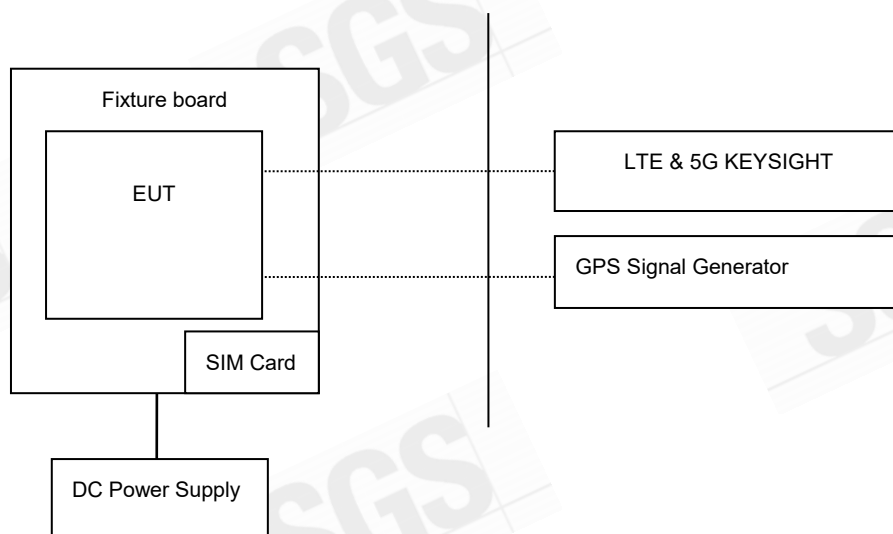
1.6 Modification List

No modification was made by SGS Taiwan Electronics & Communication Laboratory.

1.7 Accessories Cable List

Cable Type	Core	Length	Shielding/Non-shielding
N/A	N/A	N/A	Non-shielding

1.8 Test Set-Up Configuration



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



1.9 Measurement Procedure

Conducted Emission Testing was performed according to ANSI C63.4:2014 in a shielded room with peripherals placed on a table, 0.8m high over a metal floor. It was located more than required distance away from the shielded room wall.

Radiated Emission Testing was performed according to ANSI C63.4:2014 at the 3/10m semi-anechoic chamber. The EUT was placed on a 0.8m high table along with the peripherals. The turn table was placed 10m distance from the antenna. Cables were placed in a position to produce maximum emissions as determined by experimentation, and operation mode was selected for production of maximum emission.

The frequencies and amplitudes of maximum emission were measured at varying azimuths, antenna heights and antenna polarities. Maximum emission levels are then reported.

1.10 Standards Applicable for Testing

Tests to be carried out under FCC Part 15, Subpart B/CISPR 22

Test Standards	Status
FCC Part 15, Subpart B/ CISPR 22	Applicable
Deviation from Standard	No deviation

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



1.11 Decision Rules of Results

Reported measurement data comply with ANSI C63.4:2014

Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

1.12 Summary of Results

Highest Emission					
Standard	Test Type	Result	Phase/Pol.	Frequency(MHz)	Margin(dB)
FCC Part 15 Subpart B Class B	Conducted Emission	N/A	Line	N/A	N/A
			Neutral	N/A	N/A
	Radiated Emission	PASS	Hor.	17405.3400	-3.99 (AVG)

1.13 Reporting Statements of Conformity

The conformity statement in this report is based solely on the test results, measurement uncertainty is excluded.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



2. EMISSION

2.1 Test Results

	Results
Conducted Emission	N/A
Radiated Emission	Pass

2.2 Frequency Range

FCC Part 15, Subpart B:

Conducted Emission : 150 kHz - 30 MHz

Radiated Emission : See below table

Highest frequency generated or Upper frequency of measurement
used in the device or on which the range (MHz)
device operates or tunes (MHz)

Below 1.705	30
1.705 - 108	1000
108 - 500	2000
500 - 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



2.3 Limits of Conducted and Radiated Emission

2.3.1 Limits of Conducted Emission

FCC Part 15, Subpart B/CISPR 22:

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi - peak	Average	Quasi - peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

Note : (1) The lower limit shall apply at the transition frequencies.

(2) The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

(3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected there to, shall not exceed the level of field strengths specified above.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



2.3.2 Limits of Radiated Emissions

FCC Part 15, Subpart B Limit:

- Detector Function : Quasi – Peak

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 3m)
	dBuV/m	dBuV/m
30~88	39	40
88~216	43.5	43.5
216~960	46.44	46
Above 960	49.54	54

- Detector Function : Peak , Average

FREQUENCY (MHz)	Class A (dBuV/m) (at 3m)		Class B (dBuV/m) (at 3m)	
	Peak	Average	Peak	Average
Above 1000-18000	79.3	59.3	73.9	53.9

CISPR 22 Limit:

- Detector Function : Quasi – Peak

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 10m)
	dBuV/m	dBuV/m
30-230	40	30
230-1000	47	37

NOTE 1 The lower limit shall apply at the transition frequency.

NOTE 2 Additional provisions may be required for cases where interference occurs.

FREQUENCY (GHz)	Class A (dBuV/m) (at 3m)		Class B (dBuV/m) (at 3m)	
	Average	Peak	Average	Peak
1~3	56	76	50	70
3~6	60	80	54	74

NOTE The lower limit applies at the transition frequency.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



2.4. Test of Conducted Emission

2.4.1 Test Equipments

SGS Conducted Emission WuKu Conducted Room EMC					
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI 3	100335	2019/2/12	2020/2/11
Coaxial Cables	N/A	WK CE Cable	N/A	2019/11/26	2020/11/25
LISN	SCHWARZBECK	NSLK 8127	8127-649	2019/6/3	2020/6/2
LISN	Rolf-Heine	NNB-2/16Z	99013	2019/12/26	2020/12/25
Test Software	Farad	EZ-EMC	Ver. SGS-03A2-3	N.C.R.	N.C.R.
SGS Taiwan LTD. Electronics & Communication Laboratory No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan Measurement Uncertainty of Conducted Emission Expanded uncertainty (Ulab K=2) of conducted emission is 2.32 dB. Theory values uncertainty Ucispr 16-4-2 :2011+A1_2014 (K=2) of AC mains conducted Emission is 3.44dB					

2.4.2 Operating Environment

Temperature : N/A degree C

Humidity : N/A %RH

Atmospheric Pressure : N/A mBar

2.4.3 Measurement Level Calculation

Factor = LISN insertion loss + Cable loss

Measurement Level = Reading Level + Factor

Over (Margin) = Measurement Level – Limit

2.4.4 Measurement Data:

N/A, the EUT power from DC Power Supply, not apply for conducted emission test.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



2.5 Test of Radiated Emission

2.5.1 Test Equipments

Below 1GHz

SGS Radiated_Below_1GHz WuKu 966-2_EMC					
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI 7	100760	2019/6/21	2020/6/20
Broadband Antenna	SCHWAZBECK	VULB9168	VULB9168-298	2019/12/12	2020/12/11
Pre Amplifier	HP	8447D	1937A02748	2019/10/1	2020/9/30
Coaxial Cable	Huber+Suhner	SUCCOFLEX 104-02	966 II	2019/11/26	2020/11/25
Notch Filter (900)	MICRO-TRONICS	BRM50706	006	2019/11/26	2020/11/25
Antenna Master	MF	N/A	N/A	N.C.R.	N.C.R.
Turn Table	MF	N/A	N/A	N.C.R.	N.C.R.
Controller	MF	MF7802	N/A	N.C.R.	N.C.R.
Site NSA	Chamost	966II Chamber	N/A	2019/12/21	2020/12/20
Test Software	Farad	EZ-EMC	Ver. SGS-03A2-3	N.C.R.	N.C.R.
SGS Taiwan LTD. Electronics & Communication Laboratory					
No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan					
Measurement Uncertainty of Radiated Emission					
Expanded uncertainty U _{lab} (k=2) of radiated emission measurement is 4.69 dB. (30-1000MHz)					
Theory values uncertainty U _{cispr} 16-4-2:2011+A1:2014 (K=2) of radiated emission is 5.26 dB. (30MHz ~ 1000MHz)					

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



Above 1GHz

SGS Radiated Above 1GHz WuKu 966-2 EMC					
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI 7	100760	2019/6/21	2020/6/20
Spectrum Analyzer	R&S	FSV 40	101385	2019/11/12	2020/11/11
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D309	2019/1/16	2020/1/15
Pre Amplifier	EMC Instruments Corp.	EMC012645B	980226	2019/10/30	2020/10/29
Pre Amplifier	EM Electronics Corp.	EM26400	971576	2019/10/2	2020/10/1
Coaxial Cable	Huber+Suhner	SUCCOFLEX 104PEA	966 II	2019/11/26	2020/11/25
Notch Filter (900)	MICRO-TRONICS	BRM50706	006	2019/11/26	2020/11/25
Antenna Master	MF	N/A	N/A	N.C.R.	N.C.R.
Turn Table	MF	N/A	N/A	N.C.R.	N.C.R.
Controller	MF	MF7802	N/A	N.C.R.	N.C.R.
Site NSA	Chamost	966II Chamber	N/A	2019/12/21	2020/12/20
Test Software	Farad	EZ-EMC	Ver. SGS-03A2-3	N.C.R.	N.C.R.

SGS Taiwan LTD. Electronics & Communication Laboratory

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan

Measurement Uncertainty of Radiated Emission

Expanded uncertainty U_{lab} (k=2) of radiated emission measurement is 5.04 dB. (1-6GHz)Expanded uncertainty U_{lab} (k=2) of radiated emission measurement is 5.20 dB. (6-18GHz)Theory values uncertainty U_{cispr} 16-4-2:2011+A1:2014 (K=2) of radiated emission measurement is 5.18 dB.(1-6GHz)Theory values uncertainty U_{cispr} 16-4-2:2011+A1:2014 (K=2) of radiated emission measurement is 5.48 dB.(6-18GHz)

2.5.2 Operating Environment

Temperature : 23 degree C

Humidity : 57 %RH

Atmospheric Pressure : 996 mBar

2.5.3 Measurement Level Calculation

Correction Factor = Antenna Factor + Cable loss- Amplifier Gain+ Notch Filter

Measurement Level = Reading Level + Correction Factor

Over (Margin) = Measurement Level – Limit

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



2.5.4 Measurement Data

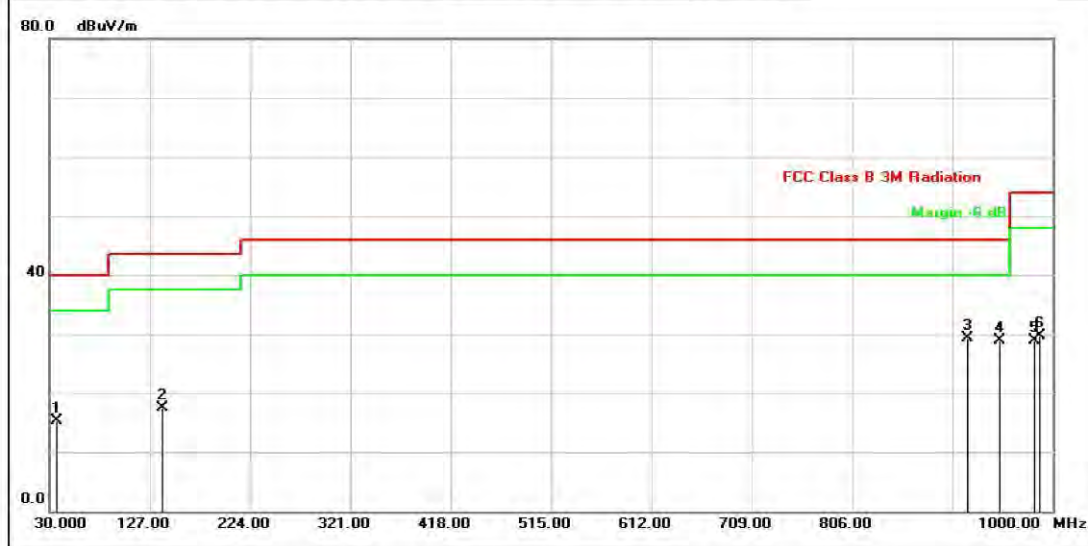
Below 1GHz

Model No.:RXM-G1

Mode_3_H

Site: 966-2 Chamber	Date: 2019-12-25	Time: 15:16:29
Limit: FCC Class B 3M Radiation	Polarization: Horizontal	Temperature: 23 °C
Mode: Mode_3	Power: DC 3.3V	Humidity: 57 %RH
Report: MW-2019-B0002	Distance: 3 m	Air Pressure: 1015 hpa
Tester: Frank Chen		
Note: N56-DV-08		

SGS Taiwan Ltd.-Electronics & Communication Laboratory Address: No.134, Wu Kung Rd., New Taipei Ind. Park, Wuku Dist., New Taipei City.



No.	Mk	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Measurement (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Comment
1		36.6900	23.10	-7.70	15.40	40.00	-24.60	QP	
2		138.7600	24.50	-6.99	17.51	43.50	-25.99	QP	
3	*	917.4500	23.50	5.77	29.27	46.00	-16.73	QP	
4		949.4400	22.90	6.08	28.98	46.00	-17.02	QP	
5		982.3700	22.30	6.63	28.93	54.00	-25.07	QP	
6		987.3100	23.20	6.59	29.79	54.00	-24.21	QP	

*:Maximum data x:Over limit !:over margin

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



Mode_3_V

Site: 966-2 Chamber	Date: 2019-12-25	Time: 15:10:40
Limit: FCC Class B 3M Radiation	Polarization: Vertical	Temperature: 23 °C
Mode: Mode_3	Power: DC 3.3V	Humidity: 57 %RH
Report: MW-2019-B0002	Distance: 3 m	Air Pressure: 1015 hpa
Tester: Frank Chen		
Note: N56-DV-08		

SGS Taiwan Ltd.-Electronics & Communication Laboratory Address: No.134, Wu Kung Rd., New Taipei Ind. Park, Wuku Dist., New Taipei City.



No.	Mk	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Measurement (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Comment
1		50.5500	21.80	-6.45	15.35	40.00	-24.65	QP	
2		144.5800	21.50	-6.51	14.99	43.50	-28.51	QP	
3		896.1700	24.40	5.16	29.56	46.00	-16.44	QP	
4	*	926.2400	24.60	5.80	30.40	46.00	-15.60	QP	
5		950.8100	23.90	6.08	29.98	46.00	-16.02	QP	
6		964.3100	24.10	6.37	30.47	54.00	-23.53	QP	

*:Maximum data x:Over limit !:over margin

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

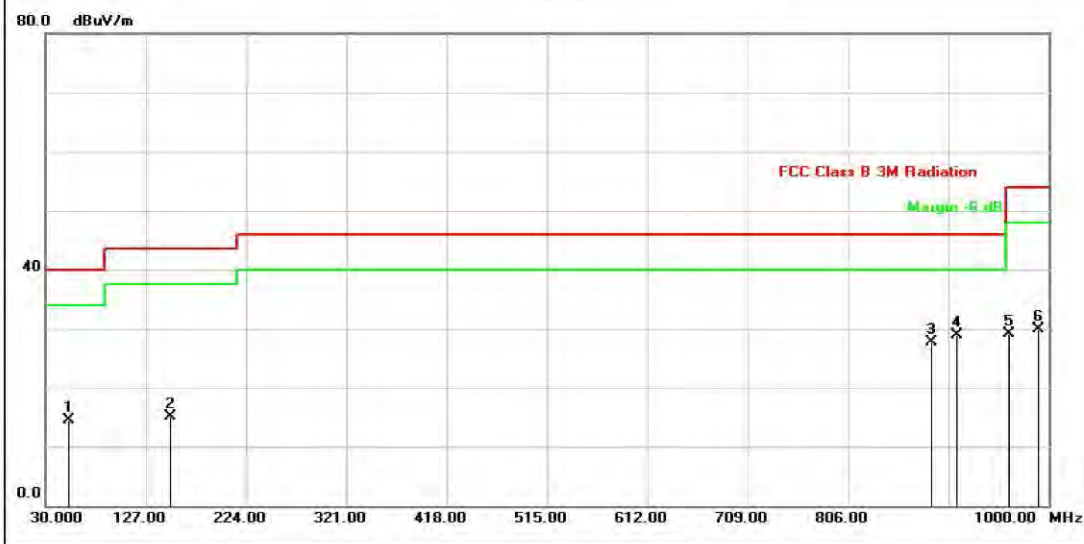
Member of SGS Group



Mode_4_H

Site: 966-2 Chamber	Date: 2019-12-25	Time: 13:42:22
Limit: FCC Class B 3M Radiation	Polarization: Horizontal	Temperature: 23 °C
Mode: Mode_4	Power: DC 3.3V	Humidity: 57 %RH
Report: MW-2019-B0002	Distance: 3 m	Air Pressure: 1015 hpa
Tester: Frank Chen		
Note: N56-DV-08		

SGS Taiwan Ltd.-Electronics & Communication Laboratory Address: No.134, Wu Kung Rd., New Taipei Ind. Park, Wuku Dist., New Taipei City.



No.	Mk	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Measurement (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Comment
1		52.5100	21.20	-6.60	14.60	40.00	-25.40	QP	
2		150.4800	21.50	-6.40	15.10	43.50	-28.40	QP	
3		887.3400	22.60	5.05	27.65	46.00	-18.35	QP	
4	*	910.8800	23.50	5.39	28.89	46.00	-17.11	QP	
5		961.3600	22.90	6.27	29.17	54.00	-24.83	QP	
6		990.6500	23.30	6.57	29.87	54.00	-24.13	QP	

*:Maximum data x:Over limit !:over margin

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號



Mode_4_V

Site: 966-2 Chamber	Date: 2019-12-25	Time: 13:37:15
Limit: FCC Class B 3M Radiation	Polarization: Vertical	Temperature: 23 °C
Mode: Mode_4	Power: DC 3.3V	Humidity: 57 %RH
Report: MW-2019-B0002	Distance: 3 m	Air Pressure: 1015 hpa
Tester: Frank Chen		
Note: N56-DV-08		

SGS Taiwan Ltd.-Electronics & Communication Laboratory Address: No.134, Wu Kung Rd., New Taipei Ind. Park, Wuku Dist., New Taipei City.



No.	Mk	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Measurement (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Comment
1		36.6900	22.30	-7.70	14.60	40.00	-25.40	QP	
2		164.9900	21.60	-6.15	15.45	43.50	-28.05	QP	
3		886.6900	23.30	5.03	28.33	46.00	-17.67	QP	
4		912.5800	22.50	5.50	28.00	46.00	-18.00	QP	
5	*	955.5400	22.90	6.07	28.97	46.00	-17.03	QP	
6		978.7400	23.10	6.67	29.77	54.00	-24.23	QP	

*:Maximum data x:Over limit !:over margin

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

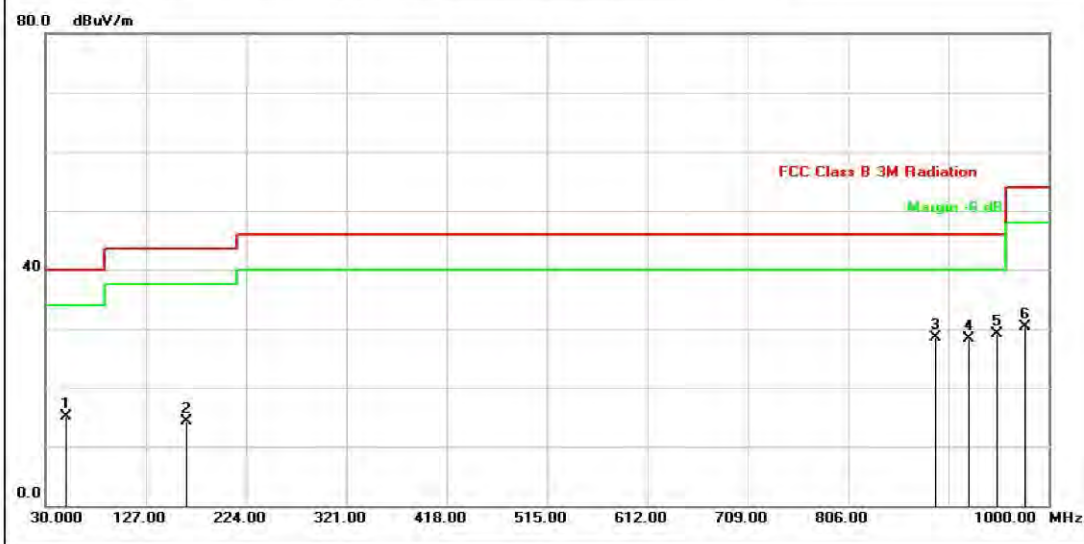
Member of SGS Group



Mode_5_H

Site: 966-2 Chamber	Date: 2019-12-25	Time: 14:00:07
Limit: FCC Class B 3M Radiation	Polarization: Horizontal	Temperature: 23 °C
Mode: Mode_5	Power: DC 3.3V	Humidity: 57 %RH
Report: MW-2019-B0002	Distance: 3 m	Air Pressure: 1015 hpa
Tester: Frank Chen		
Note: N56-DV-08		

SGS Taiwan Ltd.-Electronics & Communication Laboratory Address: No.134, Wu Kung Rd., New Taipei Ind. Park, Wuku Dist., New Taipei City.



No.	Mk	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Measurement (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Comment
1		50.5300	21.60	-6.45	15.15	40.00	-24.85	QP	
2		166.9300	20.60	-6.22	14.38	43.50	-29.12	QP	
3		890.5300	23.30	5.12	28.42	46.00	-17.58	QP	
4		923.5900	22.50	5.82	28.32	46.00	-17.68	QP	
5	*	950.6700	23.10	6.09	29.19	46.00	-16.81	QP	
6		977.7900	23.60	6.68	30.28	54.00	-23.72	QP	

*:Maximum data x:Over limit !:over margin

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

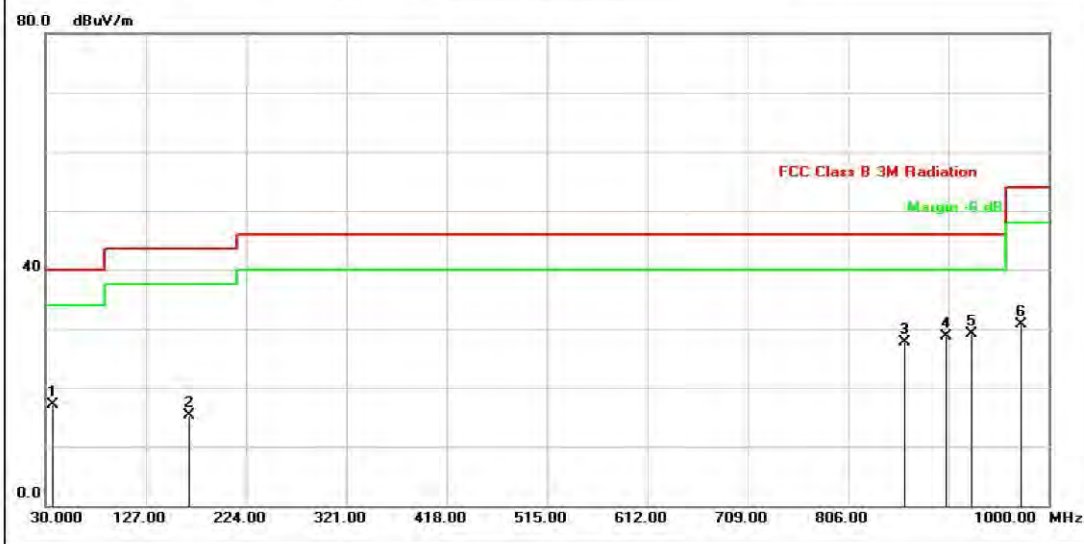
Member of SGS Group



Mode_5_V

Site: 966-2 Chamber	Date: 2019-12-25	Time: 13:52:42
Limit: FCC Class B 3M Radiation	Polarization: Vertical	Temperature: 23 °C
Mode: Mode_5	Power: DC 3.3V	Humidity: 57 %RH
Report: MW-2019-B0002	Distance: 3 m	Air Pressure: 1015 hpa
Tester: Frank Chen		
Note: N56-DV-08		

SGS Taiwan Ltd.-Electronics & Communication Laboratory Address: No.134, Wu Kung Rd., New Taipei Ind. Park, Wuku Dist., New Taipei City.



No.	Mk	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Measurement (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Comment
1		36.6600	24.90	-7.70	17.20	40.00	-22.80	QP	
2		169.5000	21.50	-6.25	15.25	43.50	-28.25	QP	
3		861.5100	23.40	4.27	27.67	46.00	-18.33	QP	
4		901.1200	23.60	5.18	28.78	46.00	-17.22	QP	
5	*	925.4300	23.30	5.80	29.10	46.00	-16.90	QP	
6		973.8100	24.10	6.66	30.76	54.00	-23.24	QP	

*:Maximum data x:Over limit !:over margin

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

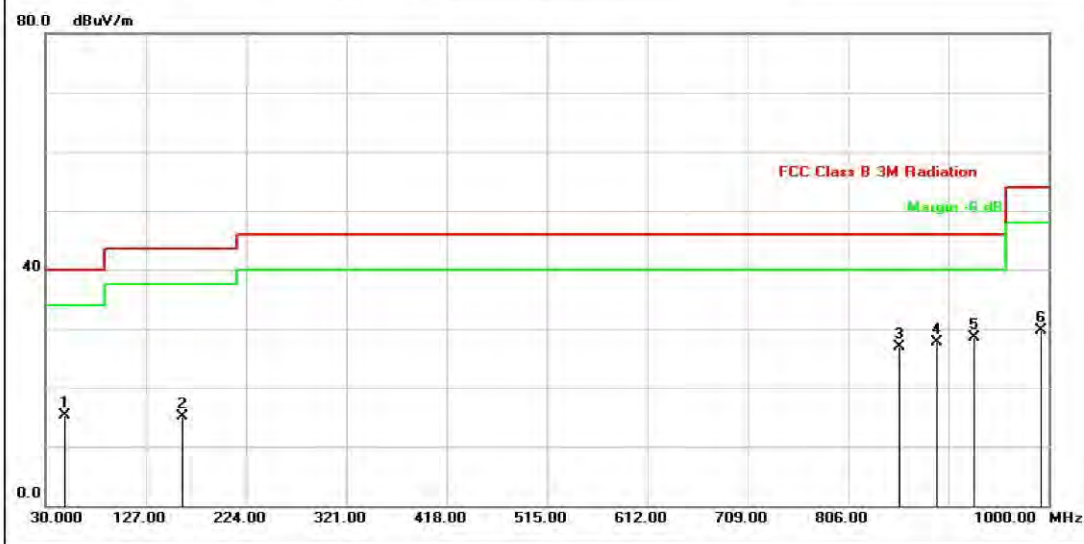
Member of SGS Group



Mode_6_H

Site: 966-2 Chamber	Date: 2019-12-25	Time: 15:04:52
Limit: FCC Class B 3M Radiation	Polarization: Horizontal	Temperature: 23 °C
Mode: Mode_6	Power: DC 3.3V	Humidity: 57 %RH
Report: MW-2019-B0002	Distance: 3 m	Air Pressure: 1015 hpa
Tester: Frank Chen		
Note: N56-DV-08		

SGS Taiwan Ltd.-Electronics & Communication Laboratory Address: No.134, Wu Kung Rd., New Taipei Ind. Park, Wuku Dist., New Taipei City.



No.	Mk	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Measurement (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Comment
1		48.6100	21.80	-6.53	15.27	40.00	-24.73	QP	
2		162.2000	21.40	-6.26	15.14	43.50	-28.36	QP	
3		856.3600	22.40	4.41	26.81	46.00	-19.19	QP	
4		891.4600	22.60	5.14	27.74	46.00	-18.26	QP	
5	*	928.2400	22.70	5.81	28.51	46.00	-17.49	QP	
6		992.3800	23.10	6.55	29.65	54.00	-24.35	QP	

*:Maximum data x:Over limit !:over margin

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

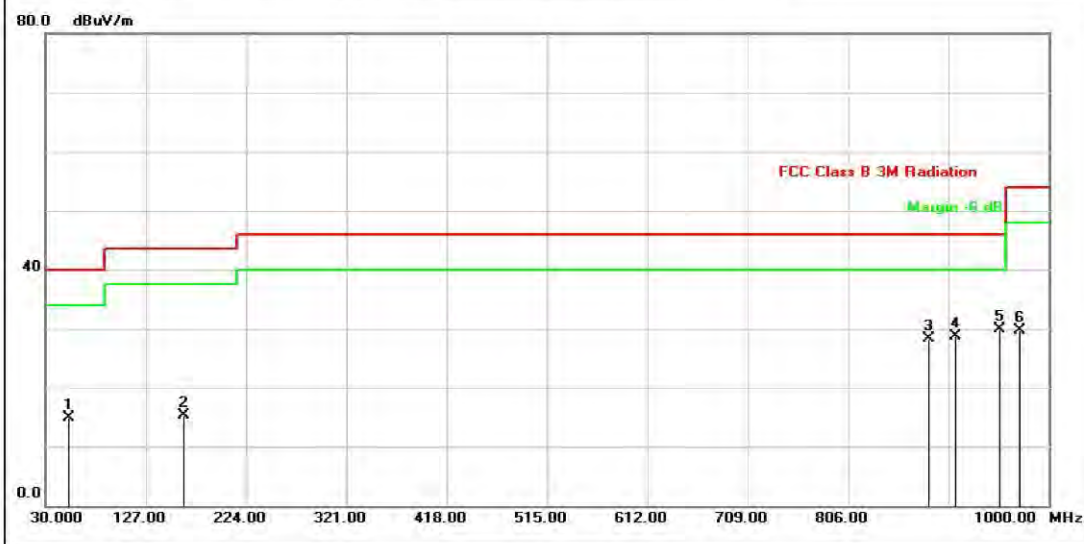
Member of SGS Group



Mode_6_V

Site: 966-2 Chamber	Date: 2019-12-25	Time: 14:59:41
Limit: FCC Class B 3M Radiation	Polarization: Vertical	Temperature: 23 °C
Mode: Mode_6	Power: DC 3.3V	Humidity: 57 %RH
Report: MW-2019-B0002	Distance: 3 m	Air Pressure: 1015 hpa
Tester: Frank Chen		
Note: N56-DV-08		

SGS Taiwan Ltd.-Electronics & Communication Laboratory Address: No.134, Wu Kung Rd., New Taipei Ind. Park, Wuku Dist., New Taipei City.



No.	Mk	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Measurement (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Comment
1		52.0900	21.60	-6.60	15.00	40.00	-25.00	QP	
2		163.7400	21.50	-6.16	15.34	43.50	-28.16	QP	
3		884.4500	23.30	4.98	28.28	46.00	-17.72	QP	
4		909.9300	23.40	5.34	28.74	46.00	-17.26	QP	
5	*	952.5700	23.80	6.09	29.89	46.00	-16.11	QP	
6		971.7900	23.10	6.60	29.70	54.00	-24.30	QP	

*:Maximum data x:Over limit !:over margin

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



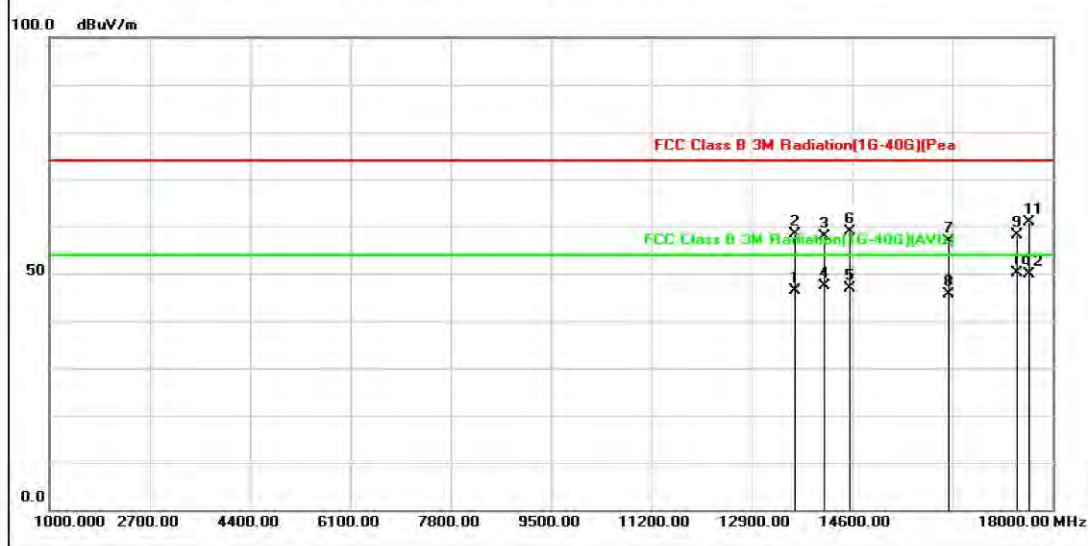
Above 1GHz

Model No.:RXM-G1

Mode_3_H

Site: 966-2 Chamber	Date: 2019-12-25	Time: 15:55:17
Limit: FCC Class B 3M Radiation(1G-40G)(Pea	Polarization: Horizontal	Temperature: 23 °C
Mode: Mode_3	Power: DC 3.3V	Humidity: 57 %RH
Report: MW-2019-B0002	Distance: 3 m	Air Pressure: 1015 hpa
Tester: Frank Chen		
Note: N56-DV-08		

SGS Taiwan Ltd.-Electronics & Communication Laboratory Address: No.134, Wu Kung Rd., New Taipei Ind. Park, Wuku Dist., New Taipei City.



No.	Mk	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Measurement (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector	Comment
1		13626.280	39.15	7.20	46.35	54.00	-7.65	AVG	
2		13631.000	51.08	7.21	58.29	74.00	-15.71	peak	
3		14124.000	49.31	8.52	57.83	74.00	-16.17	peak	
4		14128.230	38.78	8.54	47.32	54.00	-6.68	AVG	
5		14556.010	38.16	8.83	46.99	54.00	-7.01	AVG	
6		14566.000	50.14	8.85	58.99	74.00	-15.01	peak	
7		16249.000	49.75	7.09	56.84	74.00	-17.16	peak	
8		16249.260	38.58	7.09	45.67	54.00	-8.33	AVG	
9		17405.000	47.19	11.00	58.19	74.00	-15.81	peak	
10	*	17405.340	39.01	11.00	50.01	54.00	-3.99	AVG	
11		17592.000	48.28	12.70	60.98	74.00	-13.02	peak	
12		17596.190	37.26	12.74	50.00	54.00	-4.00	AVG	

*:Maximum data x:Over limit !:over margin

Page: 1

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

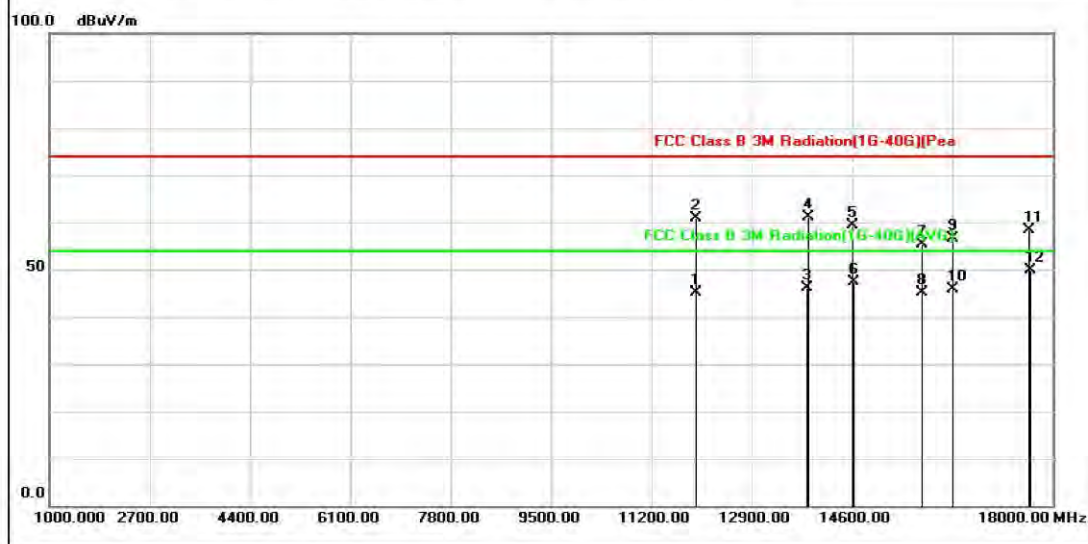
Member of SGS Group



Mode_3_V

Site: 966-2 Chamber	Date: 2019-12-25	Time: 15:43:08
Limit: FCC Class B 3M Radiation(1G-40G)(Pea	Polarization: Vertical	Temperature: 23 °C
Mode: Mode_3	Power: DC 3.3V	Humidity: 57 %RH
Report: MW-2019-B0002	Distance: 3 m	Air Pressure: 1015 hpa
Tester: Frank Chen		
Note: N56-DV-08		

SGS Taiwan Ltd.-Electronics & Communication Laboratory Address: No.134, Wu Kung Rd., New Taipei Ind. Park, Wuku Dist., New Taipei City.



*:Maximum data x:Over limit !:over margin

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
 除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd. No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

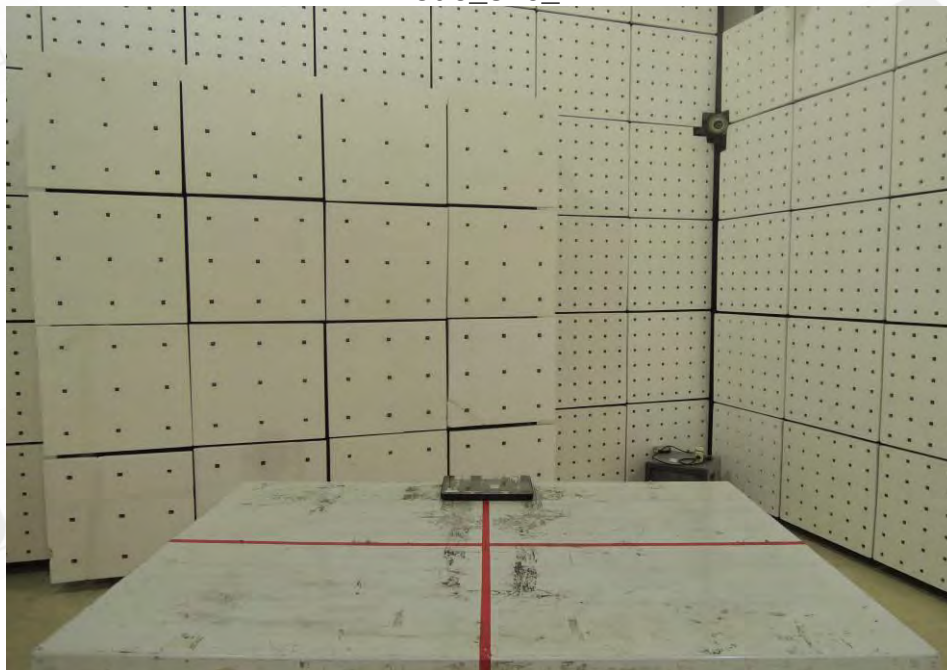
3. Photographs of Test

RE Testing Set-up

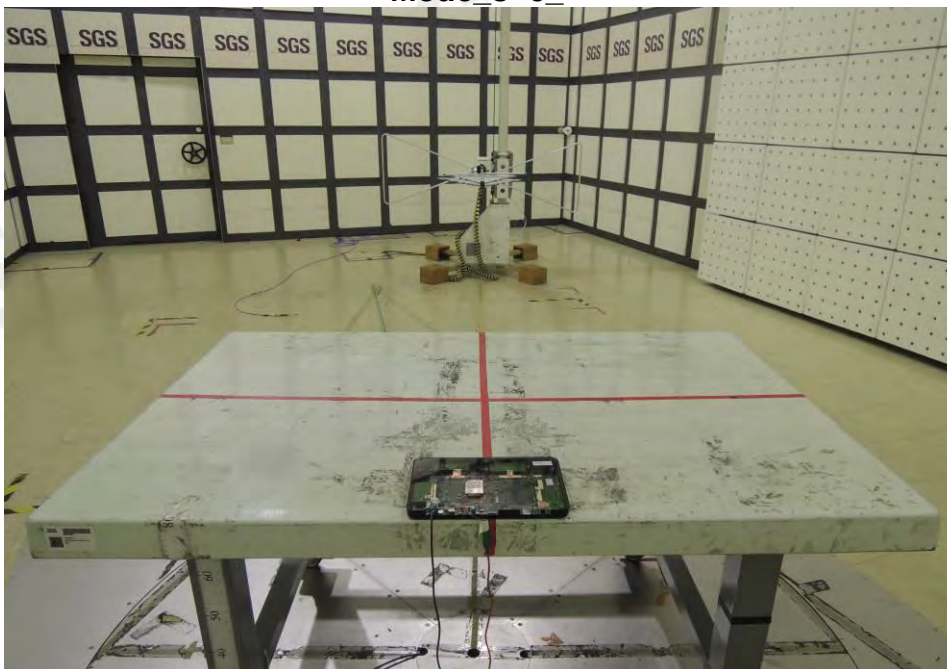
Below 1GHz

Model No.:RXM-G1

Mode 3~6 +



Mode 3~6 -



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group



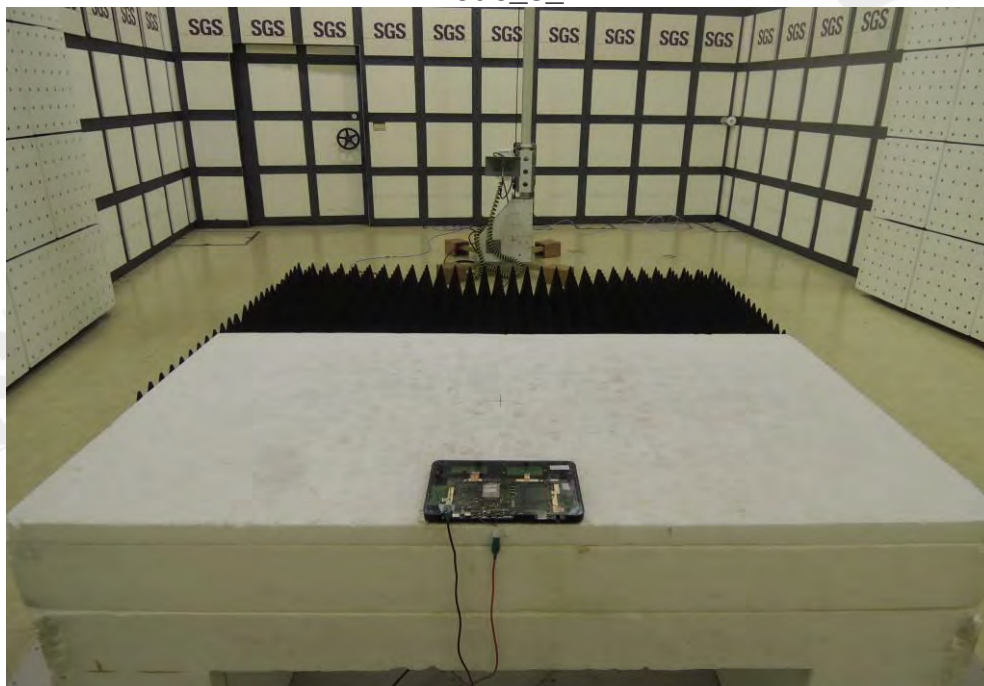
Above 1GHz

Model No.:RXM-G1

Mode_3_+



Mode_3_-



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

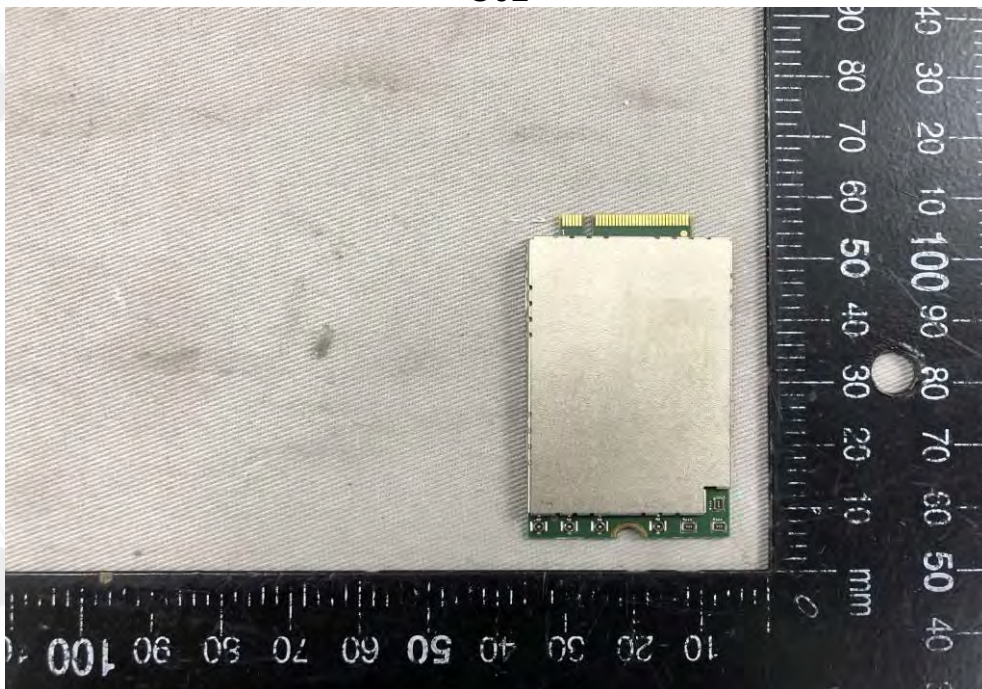
Member of SGS Group

4. Photographs of Product

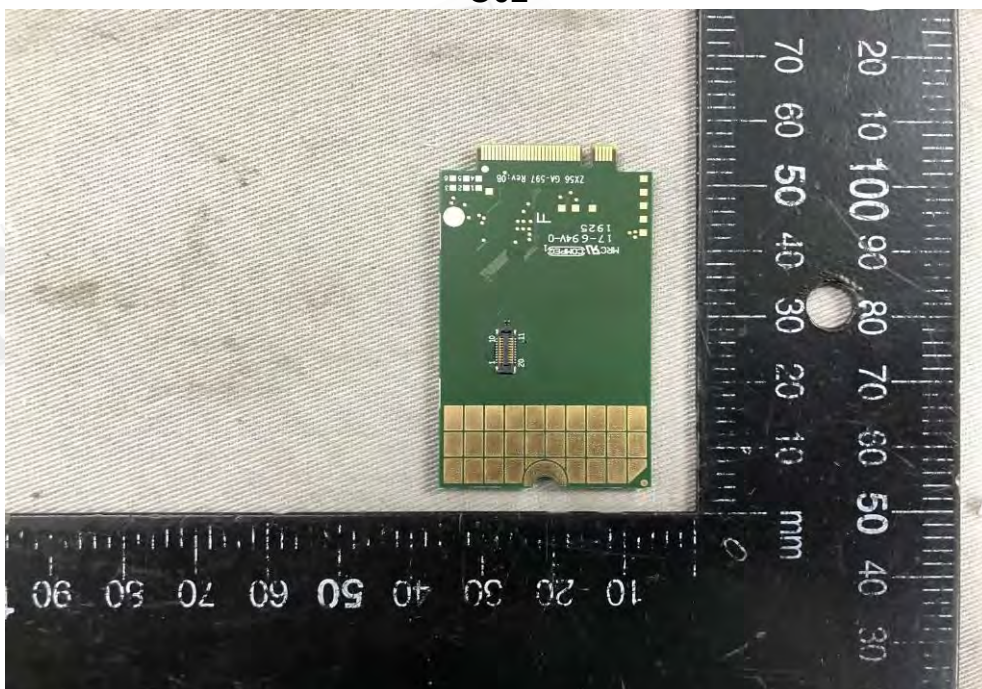
Exterior

Model No.:RXM-G1

O01



O02



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

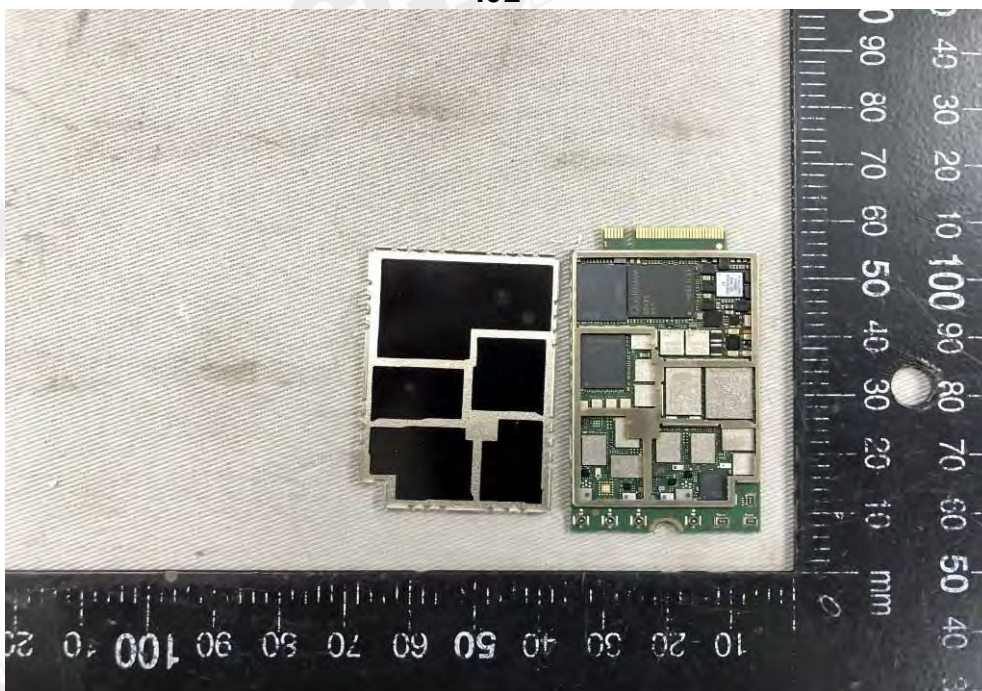
f (886-2) 2298-0488

www.sgs.com.tw

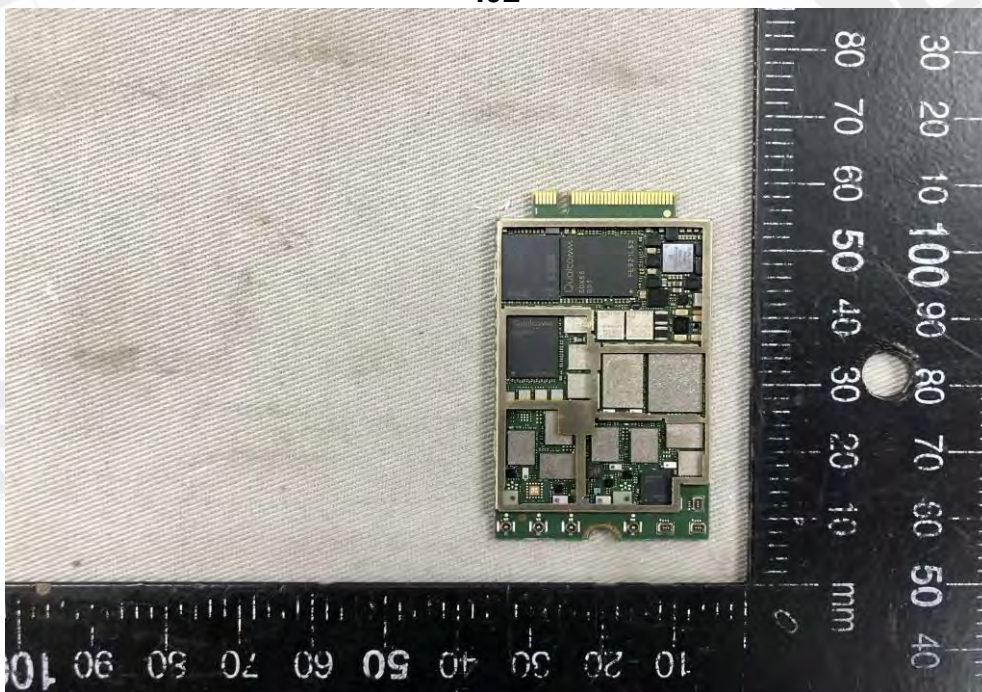
Member of SGS Group

Model No.:RXM-G1

I01



I02

**** End of Report ****

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com.tw/Terms-and-Conditions> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com.tw/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group